

**REMARKS**

Applicants appreciate the courtesies extended by Examiner Vanore in telephone conversations leading up to this submission.

With a few exceptions, the amendments contained herein are the same as those previously presented in the Amendment After Final filed on June 14, 2010. The exceptions are as follows: As the Examiner agreed to place the application in condition for allowance, claims 47 and 60 are further amended to recite the processor "determin[ing] a plane in which the source resides". For antecedent basis reasons, the change to claim 47 necessitated minor changes to dependant claims 52-54, 56, 58 and 59. Finally, the dependency of claim 5 is amended to properly refer to claim 3. As indicated in the Advisory Action of June 22, 2010: Claims 1-27, 33, 34, and 37-40 remain pending; Claims 17-25 and 33 have been withdrawn from consideration.

By this amendment, Claims 1-7, 9-13, 26, 27, 34, 37, 38, and 40 have been amended, Claims 8, 16, and 39 have been cancelled, and new Claims 41-60 have been added. Accordingly, upon entry of this amendment, Claims 1-7, 9-15, 17-27, 33, 34, 37, 38, and 40-60 will be pending, with Claims 17-25 and 33 again withdrawn from consideration.

**Repeated Remarks from proposed Amendment After Final filed June 14, 2010**

Applicants repeat the remarks from the proposed Amendment After Final submitted on June 14, 2010:

Applicants are appreciative of the Examiner's indication that claims 14 and 16 would be allowable if rewritten in independent form. Claims 14 and 16 were twice indicated allowable by the Examiner-- first, in the Office Action of November 5, 2009,

before any claims were amended, and again in the Final Office Action after independent claim 1 and dependent claim 16 were amended. In both instances, allowable claim 16 recited a system responsive to a "source [having] an activity in the range of 0.01mCi to 0.5mCi." Thus, consistent with the Examiner's indication of allowability, newly added Claim 47 combines recitations of original claim 1 with the recitations of claim 16. Thus, consistent with the Examiner's indication in the first Office Action, it is respectfully asserted that claim 47 is allowable. Claims 48-59 depend from claim 47 and are at least allowable as being dependent on an allowable base claim. The dependant claims are each also allowable as reciting a unique combination neither taught nor suggested by the art of record.

Similarly, claim 1 is amended to include the recitations of allowable claim 16, and is therefore allowable consistent with the Examiner's indication in the Final Office Action. Further, claims 2-7, 9-15, 34, 37, 38, and 40-46 depend from claim 1 and are at least allowable as being dependent on an allowable base claim. The dependant claims are each also allowable as reciting a unique combination neither taught nor suggested by the art of record.

Method claim 26 has also been amended to include the recitations of allowable claim 16. Thus, for the reasons that claims 1 and 47 are allowable, it is respectfully asserted that claim 26 is also allowable. In addition, claim 27 depends from claim 26 and is at least allowable as being dependent on an allowable base claim, and also because it recites a unique combination that is neither taught nor suggested by the references of record.

Applicants are appreciative of the Examiner's indication that claim 14 contains allowable subject matter, and Applicants have rewritten as new claim 60, subject matter found in original claim 1 combined with the subject matter of original claim 14. Applicants respectfully request allowance of claim 60, for the reasons consistent with those noted by the Examiner in the Final Office Action.

**Applicants' Additional Remarks**

To comply with an agreement reached between counsel of record and Examiner Vanore following the Advisory Action mailed June 22, 2010, claims 47 and 60 are further amended to recite a processor configured to determine a plane in which the source resides. A similar recitation is contained in allowable claim 1. It is understood that the Examiner requested the amendments to claims 47 and 60 not due to any reason related to patentability, but rather to alleviate the need for further searching after Final. As discussed with the Examiner, Applicants make the amendments without prejudice or disclaimer, and reserve the right to pursue claims of varied scope in continuing applications.

In addition to the changes to claims 47 and 60 as proposed by the Examiner, Applicants revised the previously submitted new Claims 52-54, 56, 58, and 59 to recite "at least one processor ..." to ensure proper antecedent basis. Further still, Applicants revised the dependency of claim 5 to properly depend from claim 3.

Reconsideration and allowance of this application is respectfully requested. However, if outstanding issues with respect to the claims remain, the Examiner is requested to call the undersigned at (202) 408-4080 to expedite prosecution of the application.

For the reasons discussed above, it is respectfully asserted that all pending claims are now allowable and a Notice of Allowance is respectfully requested.

Please grant any extensions of time required to enter this response and charge any additional required fees to Deposit Account 06-0916.

Respectfully submitted,

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Dated: July 19, 2010

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